

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	245	(123/197.3).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/28 07:56
L2	4762	(74/579R,581,582,586,593).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/28 14:17
L4	204	(1 or 2) (connecting adj rod) spring extend\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 11:36
L5	36	("1610137"   "2104802"   "2134995"   "2252153"   "2523631"   "2580825"   "4111164"   "4140091"   "4370901"   "4463725"   "4703838"   "4966109").PN. OR ("5724863").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 08:15
L6	29	("1385758"   "1539769"   "1610137"   "1637245"   "2179185"   "2248323"   "2252153"   "2372472").PN. OR ("4111164").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 08:20
L7	5	("2252153"   "4111164").PN. OR ("4964374").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 08:25
L8	3	("1385758").URPN.	USPAT	AND	ON	2006/11/28 08:51
L9	1	("2523631").URPN.	USPAT	AND	ON	2006/11/28 08:57
L20	75	4 (ball or round or sphere)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 10:38
L21	514	2 (ball or round or sphere)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 10:38
L22	143	21 (connecting adj rod)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 10:38

## EAST Search History

L23	9	("0210969"   "1462833"   "1879814").PN. OR ("3736639").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 10:45
L24	8	("3473444").URPN.	USPAT	AND	ON	2006/11/28 10:47
L25	6	("2964365").URPN.	USPAT	AND	ON	2006/11/28 10:49
L26	8	("4266443"   "4627795"   "4957416"   "5033940"   "5092185"   "5584675"   "5846059"   "6293764").PN. OR ("6688854").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 10:58
L27	8	("3473444").URPN.	USPAT	AND	ON	2006/11/28 11:05
L28	48	4 (round or spherical)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 11:07
L29	1	("2160012").URPN.	USPAT	AND	ON	2006/11/28 11:11
L30	500	(1 or 2) (connecting adj rod) extend\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 11:34
L31	11	4 (push adj rod)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 11:34
L32	860	(1 or 2) (ball or round or spher\$4 or circular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 11:37
L33	720	32 extend\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 11:38
L34	259	33 (connecting adj rod)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 13:03
L35	15	("3361007"   "3739657"   "4372179"   "4905577"   "4938121"   "5094195"   "5115725"   "5146883"   "5261797"   "5305684"   "5313875").PN. OR ("5685267").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 12:07

## EAST Search History

L36	28	4 ball socket	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 12:14
L41	24	("0593248"   "1239728"   "1276346"   "1453815"   "1755578"   "1801633"   "2310269"   "2918045"   "3112810"   "3503716"   "3757748"   "4386587"   "4796572"   "5562079").PN. OR ("7117827"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 12:17
L42	6	("2726555"   "4089235").PN. OR ("4266443").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 12:19
L43	8	("4266443"   "4627795"   "4957416"   "5033940"   "5092185"   "5584675"   "5846059"   "6293764").PN. OR ("6688854"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 12:20
L44	20	("1574573"   "1595917"   "2165791"   "2287472"   "4266443"   "4301695"   "4319498").PN. OR ("4467756").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 12:22
L45	28	("0460642"   "0887633"   "1162710"   "1386114"   "1430491"   "1599319"   "1875180"   "1987661"   "3686972"   "4078450").PN. OR ("4254743").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 12:24
L46	29	("4254743"   "4450797"   "4687348").PN. OR ("5562068"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 12:32
L47	36	("0669416"   "1539769"   "2323742"   "2372472"   "3407791"   "3417738"   "3527264"   "3667433"   "3704695"   "4031868"   "4078450"   "5562068").PN. OR ("6223703").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 12:35
L48	18	("3417738"   "3527264"   "3667433").PN. OR ("4031868"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 12:54
L49	724835	(pin or rod or stem or guide) (round or spherical or ball)	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 12:55
L50	374529	49 spring	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 12:56

## EAST Search History

L52	4119	50 piston crankshaft engine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 12:57
L53	60	34 (round or rounded)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 13:09
L54	254	Meyer Siegfried.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 13:16
L55	2	("1539769").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/28 13:16
L56	4	("1539769").URPN.	USPAT	AND	ON	2006/11/28 13:17
L57	55	("1309891"   "3014468"   "3038458"   "3656412"   "3741175"   "4016841"   "4077269"   "4144851"   "4148284"   "4449489"   "4469055"   "4485768"   "4503815"   "4510895"   "4602596"   "4753198"   "4821695"   "4860711"   "4864977"   "4876992"   "4917066"   "4987863"   "5146879"   "5178103"   "5257600"   "5331928"   "5427063"   "5507253"   "5549087"   "5562079"   "5579640"   "5609131"   "5611300"   "5617823"   "5638777"   "5682854"   "5791302"   "5865092"   "5908012"   "5908014"   "5934228"   "6135086"   "6167851"   "6170524"   "6186126"   "6189493"   "6202416"   "6216462"   "6301888"   "6301891"   "6415607").PN. OR ("6752105"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 13:27
L58	29	("1385758"   "1539769"   "1610137"   "1637245"   "2179185"   "2248323"   "2252153"   "2372472").PN. OR ("4111164"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 13:55

## EAST Search History

L59	36	("1610137"   "2104802"   "2134995"   "2252153"   "2523631"   "2580825"   "4111164"   "4140091"   "4370901"   "4463725"   "4703838"   "4966109").PN. OR ("5724863").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 13:57
L60	4	("2372472").URPN.	USPAT	AND	ON	2006/11/28 14:04
L63	6	2 (spring adj guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 14:18
L64	22	("2749757"   "2762083"   "2793501"   "3010772"   "3173266"   "4077217"   "4200001"   "4225022"   "4296604"   "4404803"   "4455831").PN. OR ("4736646").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 14:29
L65	6371	(spring adj guide) (pin or rod or bar)	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 14:29
L66	631	65 engine	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 14:31
L67	665	65 (car or vehicle or automobile) (round or ball or spher\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 14:34
L68	250	67 piston	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/28 14:34
S1	495	engine piston crankshaft spring hinge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 07:56
S2	44	S1 (ball socket)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/28 10:30
S3	768	engine ((piston crankshaft) with spring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/27 10:32

## EAST Search History

S4	17	S3 hinge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/27 10:32
S5	4	((("2160012") or ("4266443") or ("3908623")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/27 11:16
S6	6	("2726555"   "4089235").PN. OR ("4266443").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/27 11:17
S7	22	("1379115"   "1430491"   "2160012"   "2368412"   "2458111"   "3034362"   "3693463"   "3859976").PN. OR ("3908623").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/27 11:21
S8	12	("3695150"   "3908623"   "4254743"   "4463710"   "4584972"   "4791898"   "5115725"   "5156121"   "5413074"   "5427067"   "5794582").PN. OR ("6651607").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/27 11:23
S9	28	("0460642"   "0887633"   "1162710"   "1386114"   "1430491"   "1599319"   "1875180"   "1987661"   "3686972"   "4078450").PN. OR ("4254743").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/27 11:30
S10	4228	piston crankshaft spring pivot	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/27 15:20
S11	1	("4254743").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/11/27 15:26
S12	344	123/48b	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/27 15:27
S13	148	123/48b and spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	AND	ON	2006/11/27 15:28

## EAST Search History

S14	18	("20030075125"   "20030089320"   "2287472"   "3859976"   "3908623"   "4085628"   "4089235"   "4203406"   "4370901"   "4567866"   "4834031"   "4890588"   "4974554"   "5245962"   "5562068"   "5791302"   "6202622").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/27 15:29
S15	54	("1309891"   "3014468"   "3038458"   "3656412"   "3741175"   "4016841"   "4077269"   "4144851"   "4148284"   "4449489"   "4469055"   "4485768"   "4503815"   "4510895"   "4602596"   "4753198"   "4821695"   "4860711"   "4864977"   "4876992"   "4917066"   "4987863"   "5146879"   "5178103"   "5257600"   "5331928"   "5427063"   "5507253"   "5549087"   "5562079"   "5579640"   "5609131"   "5611300"   "5617823"   "5638777"   "5682854"   "5791302"   "5865092"   "5908012"   "5908014"   "5934228"   "6135086"   "6167851"   "6170524"   "6186126"   "6189493"   "6202416"   "6216462"   "6301888"   "6301891"   "6415607").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/27 15:34